

Claims

[c1] 1. A lighting system, said lighting system comprising:
an elongated track;
said elongated track having at least one engagement element for attachment to an aperture formed in a room surface;
at least one conductor running laterally along the length of said elongated track;
a power supply for supplying electrical power to each of said at least one conductor;
at least one lighting fixture
an attachment member on each of said at least one light fixture for engagement with said elongated track; and
a conductive element on each of said at least one light fixtures for engagement with each one of said at least one conductors on said elongated track for supplying electrical power to said lighting fixture.

[c2] 2. The system of claim 1 wherein said at least one engagement element is engageable in a slot on a slatwall to secure said elongated track to a slatwall.

[c3] 3. The system of claim 1 wherein said elongated track includes:

an internal channel; and
said at least one conductor is mounted in said internal
channel.

- [c4] 4. The system of claim 1 wherein said elongated track includes:
an internal channel; and
said at least one conductor includes two conductors mounted on opposing sides of said internal channel.
- [c5] 5. The system of claim 1 wherein said elongated track includes:
a substantially flat outer surface; and
said at least one conductor is mounted on the rear side of said elongated track opposite of said substantially flat outer surface.
- [c6] 6. The system of claim 1 wherein said elongated track includes:
a substantially flat outer surface; and
said at least one conductor includes two conductors mounted on the rear side of said elongated track opposite of said substantially flat outer surface.
- [c7] 7. The system of claim 1 wherein said elongated track includes:
a substantially flat outer surface;

a rail mountable onto said outer surface; and
said at least one conductor is mounted on said rail.

- [c8] 8. The system of claim 1 wherein said aperture is formed from a continuous slot on a room surface, and said engagement element includes an interference allowing said engagement element to fasten securely within said continuous slot.
- [c9] 9. A lighting system for a slatwall, said lighting system comprising:
 - a slatwall surface having one or more slots;
 - an elongated track;
 - said elongated track having at least one engagement element for attachment to a slot on said slatwall surface;
 - at least one conductor running laterally along the length of said elongated track;
 - a power supply for supplying electrical power to each of said at least one conductor;
 - at least one lighting fixture
 - an attachment member on each of said at least one light fixture for engagement with said elongated track; and
 - a conductive element on each of said at least one light fixtures for engagement with each one of said at least one conductors on said elongated track for supplying electrical power to said lighting fixture.

- [c10] 10. The system of claim 9 wherein said at least one engagement element is engageable in a slot on a slatwall to secure said elongated track to a slatwall.
- [c11] 11. The system of claim 9 wherein said elongated track includes:
 - an internal channel; and
 - said at least one conductor is mounted in said internal channel.
- [c12] 12. The system of claim 9 wherein said elongated track includes:
 - an internal channel; and
 - said at least one conductor includes two conductors mounted on opposing sides of said internal channel.
- [c13] 13. The system of claim 9 wherein said elongated track includes:
 - a substantially flat outer surface; and
 - said at least one conductor is mounted on the rear side of said elongated track opposite of said substantially flat outer surface.
- [c14] 14. The system of claim 9 wherein said elongated track includes:
 - a substantially flat outer surface; and
 - said at least one conductor includes two conductors

mounted on the rear side of said elongated track opposite of said substantially flat outer surface.

- [c15] 15. The system of claim 9 wherein said elongated track includes:
 - a substantially flat outer surface;
 - a rail mountable onto said outer surface; and
 - said at least one conductor is mounted on said rail.
- [c16] 16. The system of claim 9 wherein said one or more slots are horizontal.
- [c17] 17. The system of claim 9 wherein said one or more slots are vertical.
- [c18] 18. The system of claim 9 wherein said one or more slots are curved.
- [c19] 19. A method for installing lighting fixtures comprised of:
 - selecting a room surface with one or more slots;
 - attaching a substantially elongated track onto said room surface by engaging an engagement element formed on said elongated track with one of said slots;
 - providing power to a set of conductors attached to said elongated track; and
 - attaching a lighting fixture onto said elongated track.

- [c20] 20. The method of claim 19 wherein said method further comprises:
removing and relocating said lighting fixture to another location on said elongated track.

- [c21] 21. The method of claim 19 wherein said method further comprises:
relocating said lighting fixture to another location by sliding said lighting fixture while attached to said elongated track.